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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number : 10/549,670 Confirmation No. 3701  
Applicant(s) : MORETON  
Filed : September 19, 2005  
Tech Cntr/AU : 1743  
Examiner : Moss, Keri A  
Entitled : Silica-Based Indicating Desiccants  
Attorney Reference : 121629-05117060  
Customer Number : 20583

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Sir:

Pursuant to 37 CFR §1.97 and 1.56, the attention of the U.S. Patent and Trademark Office is hereby directed to the following disclosures made herein, which include:

**REFERENCES AND RELEVANCY**

- ☒ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. Copies of the listed documents are attached, where required, as are any readily available full or partial English translations of any non-English language documents.
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited for consideration in the parent application, and, pursuant to 37 CFR 1.98(d), copies of the cited references can be found in the file of the parent application (U.S. Serial No. , filed ).
- ☒ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited in the International Search Report issued for the corresponding International application, and copies of the International Search Report and the cited references are attached for the Examiner's consideration.
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited in a communication from a foreign or international patent office in a counterpart foreign or international application(s), and copies of both the relevant communication and the cited references, where required, are attached for the Examiner's consideration.

### CERTIFICATION

The undersigned certifies that, pursuant to 37 CFR §1.97(e)(1),

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application not more than three months prior to the filing of this Statement.

### RELATED CASES

- ☐ Identified in the attached Appendix are related applications directed to related technical subject matter. Copies of the related applications, where required, are attached for the Examiner's consideration. *The identification of the related U.S. patent applications is not to be construed as a waiver of secrecy for those applications, now or upon issuance of the present application as a patent.*

### BASIS FOR CONSIDERATION

This Information Disclosure Statement is filed:

- ☒ within three months of the filing date of the application and/or before the mailing date of a first Official Action on the merits, and no fee is required [37 C.F.R. §1.97(b)].
- ☐ with the appropriate certification, and no fee is required [37 C.F.R. §1.97(e)(1)].
- ☐ after the mailing date of the first Official Action on the merits, but prior to the issuance of a Final Official Action or a Notice of Allowance, and the requisite fee, if necessary, is authorized herein for payment [37 C.F.R. §1.97(c)].
- ☐ after the mailing date of the Final Official Action or Notice of Allowance, but prior to the payment of the issue fee, the requisite certification under 37 CFR §1.97(e)(1) is made herein, and the requisite fee, if necessary, is authorized herein for payment [37 C.F.R. §1.97(d)].
- ☐ with a Request for Continued Examination (RCE), and no fee is required [37 C.F.R. §1.97(b)(4)].

### FEE AUTHORIZATION

- ☒ Authorization is hereby given to charge any deficient fee(s) under 37 CFR §1.16 and §1.17 as necessary to ensure the consideration of this disclosure, or to credit any fee overpayments, to Deposit Account No. 503-062.
- ☐ Authorization is hereby given to charge the requisite fee of \$180 (Fee Code 1806) for submission of this Information Disclosure Statement to Deposit Account No. 503-062.


It is respectfully requested that this information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

The Examiner is further respectfully requested to return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column.

The examination and allowance of this Application is respectfully requested.

Respectfully Submitted,

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Date: October 20, 2006

Attachment(s): PTO Form 1449  
Cited References



**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Reference: 121629-05117060

Applicant: MORETON

Application Serial No. 10/549,670

Filing Date: September 19, 2005

Date: October 20, 2006

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Examiner: Moss, Keri A Group Art Unit: 1743

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR 2,460,065	Jan 1949	Davis			
	BR 2,460,067	Jan 1949	Davis			
	CR 2,460,069	Jan 1949	Davis			
	DR 2,460,070	Jan 1949	Davis			
	ER 2,460,071	Jan 1949	Davis			
	FR 2,460,072	Jan 1949	Davis			
	GR 2,460,073	Jan 1949	Davis			
	HR 2,460,074	Jan 1949	Davis			
	IR 3,898,172	Aug 1975	Reif et al.			
	JR					
	KR					
	LR					
	MR					
	NR					

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date MM/YYYY	Country	Translation Readily Available		English Abstract	
				Enclosed	No	Enclosed	No
	OR 280,934	Feb 1929	Great Britain				
	PR 345,672	Mar 1931	Great Britain				
	QR WO 01/09601	Feb 2001	International				
	RR WO 98/16821	Apr 1998	International				
	SR WO 00/65339	Nov 2000	International				
	TR WO 02/57772	Jul 2002	International				
	UR 989479	Jan 1983	USSR			X	
	VR 1952539	Apr 1971	Germany			X	
	WR 1269507	May 2001	China			X	
	XR 2002015163A	Feb 2002	Korea			X	

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

YR	Belotserkovskaya et al. "Indicator properties of vanadium-modified silicas and zeolites." <i>Zh. Prikl. Khim.</i> 63:8 (1990) 1674-9 (English abstract only)
ZR	Malygin et al. "Synthesis and study of physiochemical properties of vanadium-containing silica – a humidity indicator." <i>Sb. Nauch. Tr. VNII Lyuminoforov i Osobo Christ. Veshchestv</i> 23 (1982) 24-8 (English abstract only)
AAR	Malygin et al. "Study of properties of vanadium-containing silica gel." <i>Zh. Prikl. Khim.</i> 52:9 (1979) 2094-6 (English abstract only)
BBR	International Search Report, dated May 25, 2004, for PCT/GB2004/000250
CCR	
DDR	

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.